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*Washington University:* W. E. Garrey, D. E. Jackson.

*University of Pittsburgh:* C. Brooks, R. E. Sheldon.

*Cornell University:* J. R. Greer, E. Sachs, J. F. McClendon.

*Columbia University:* W. G. MacCallum.

*Western Reserve University:* D. Marine.

*Yale University:* L. L. Woodruff.

The following officers were elected for the year 1911:

*President*—S. J. Meltzer.

*Secretary*—A. J. Carlson.

*Treasurer*—W. B. Cannon.

*Members of the Council*—J. Erlanger, F. S. Lee, A. J. CARLSON,

*Secretary*

UNIVERSITY OF CHICAGO

#### THE AMERICAN MATHEMATICAL SOCIETY

THE seventeenth annual meeting of the American Mathematical Society was held at Columbia University on Wednesday and Thursday, December 28-29, 1910, extending through the usual morning and afternoon sessions on each day. Sixty-two members were in attendance. President Maxime Böcher took the chair at the opening session, yielding it to Professor Kasner, Ex-president Osgood, and at the morning session on Thursday to the president-elect, Professor H. B. Fine. The council announced the election of the following persons to membership in the society: Professor Percy Hodge, Columbia University; Mr. C. G. P. Kuschke, University of California; Professor Marion B. White, University of Kansas. Eight applications for membership in the society were received.

On Wednesday evening thirty of the members gathered at the annual dinner, which has for many years been a pleasant adjunct to the regular sessions.

It was decided to hold the summer meeting of the society at Vassar College in 1911, and at the University of Pennsylvania in 1912. A committee, consisting of Professors H. S. White, P. F. Smith and the secretary, was appointed to make the necessary arrangements for the summer meeting of 1911.

At the annual election, which concluded on Thursday morning, the following officers and other members of the council were chosen:

*President*—Professor H. B. Fine.

*Vice-presidents*—Professors G. A. Bliss and W. E. Story.

*Secretary*—Professor F. N. Cole.

*Treasurer*—Professor J. H. Tanner.

*Librarian*—Professor D. E. Smith.

*Committee of Publication*—Professors F. N. Cole, E. W. Brown and Virgil Snyder.

*Members of the Council* (to serve until December, 1913)—Professors H. F. Blichfeldt, J. L. Coolidge, C. J. Keyser and J. W. Young.

The total membership of the society is now 642, including 60 life members, an increase of 24 during the past year. The total attendance at all meetings of the year was 317; the number of papers presented was 145; 202 votes were cast at the annual election. The treasurer's report shows a balance of \$8,124.53, a slight increase over last year, although the university subventions for the *Transactions*, amounting to \$500 per annum, have been discontinued and the society has paid an installment of 1,000 francs of its contribution toward the publication of the works of Euler. The income from sales of the society's publications during the year was \$1,660.21. The life-membership fund now amounts to \$3,901.83. The library shows the normal increase, the total number of books on the shelves being now 3,508.

During the past sixteen years the society has expended for printing the *Bulletin*, *Transactions* and other publications \$42,473.57. The total returns from publications have been in the same period \$15,375.20. The stock of publications on hand may be fairly valued at about \$10,000. The university subventions have amounted to \$3,100. Editorial and administrative expenses during the sixteen years have been \$11,739.14. The society is about to undertake the publication of the Princeton Colloquium Lectures and the republication of Klein's Evanston Lectures.

The following papers were read at the annual meeting:

S. Chapman: "A note on the theory of summable integrals."

H. H. Mitchell: "Concerning a rotation group in six-space."

Virgil Snyder: "An application of a (1-2) quaternary correspondence."

A. S. Hawkesworth: "Three new dimension theorems."

W. R. Longley: "Singular points on the discriminant locus of an ordinary differential equation."

R. G. D. Richardson: "Theorems of oscillation for two self-adjoint linear differential equations of the second order with two parameters."

Maxime Böcher: "A simple proof of a funda-

mental theorem in the theory of integral equations."

J. L. Coolidge: "The metrical aspect of the line-sphere transformation."

E. J. Miles: "The absolute minimum of a definite integral in a special field."

J. C. Fields: "A method of proving certain theorems relating to rational functions which are adjoint to the fundamental algebraic equation for a given value of the independent variable."

F. F. Decker: "On the order of a restricted system of equations."

Paul Saurel: "On the classification of crystals."

A. B. Coble: "An application of Moore's cross ratio group to the solution of the sextic equation."

A. B. Coble: "The cubic surface and plane six-point."

C. L. E. Moore: "Conjugate directions on a hypersurface in  $S_4$  and some allied curves."

W. H. Bates: "An application of symbolic methods to the treatment of mean curvature in hyperspace."

H. B. Phillips: "The Galois theory of sets of multipartite variables."

J. R. Conner: "Correspondences associated with the rational plane quintic curve."

L. P. Eisenhart: "Conjugate systems and envelopes of spheres."

Joseph Lipke: "Natural families of curves in a general curved space of  $n$  dimensions."

O. E. Glenn: "On the discriminants of ternary forms."

Professor Bates's paper will appear in full in the January *Transactions*. Abstracts of the other papers will be included in the secretary's report in the March number of the *Bulletin*.

The Chicago Section of the society held its twenty-eighth regular meeting at the University of Chicago, December 28-30. The next meeting of the society will be held at Columbia University on Saturday, February 25.

F. N. COLE,  
Secretary

#### THE SOUTHERN SOCIETY FOR PHILOSOPHY AND PSYCHOLOGY

THE sixth annual meeting of the Southern Society for Philosophy and Psychology was held at Chattanooga, Tenn., December 27 and 28, 1910. The meetings were presided over by Professor Edward Franklin Buchner, who delivered the presidential address on the topic: "Learning and Forgetting."

The following papers and reports were read:

Thomas P. Bailey, New York Bureau of Municipal Research, "Some supposed Racial Tendencies of the American Negro: A Plea for a Psychological Study of the Race Problem."

Jasper C. Barnes, Maryville College, "The Pressure Curve in Voluntary Control."

Knight Dunlap, Johns Hopkins University, "A Study in Rhythm Perception."

David Spence Hill, Peabody College for Teachers, (a) "Some Needs for Child Welfare in the South," (b) "Class and Practise Experiments," (c) "A Comparative Study of Children's Ideals."

A. J. McKelway, secretary, National Child Labor Committee for the Southern States, "Child Labor in its Relation to Education."

R. M. Ogden, University of Tennessee, (a) "The Order of the Days of the Week and the Pythagorean Philosophy," (b) "Knowing and Expressing."

Jno. Pickett Turner, Vanderbilt University, "Locke's Place in the History of Thought."

Tom A. Williams, Washington, D. C., (a) "The Modern Interpretation of Dreams and Visions, Sleeping and Waking," (b) "Intellectual Precocity: The Role of the Inclinations and Affectivity: A Comparison of the Principles and Methods employed for educating John Stuart Mill and Boris Sidis's Son."

The officers elected for the year 1911 are:

*President*—Dr. Shepherd Ivory Franz, Government Hospital for the Insane; *Vice-president*—Professor A. Caswell Ellis, University of Texas.

*Secretary-treasurer*—Professor R. M. Ogden, University of Tennessee.

Vacancies in the council were filled to constitute that body as follows: for a three-year term, Professors E. F. Buchner, Johns Hopkins University, and W. B. Smith, Tulane University; for a two-year term, Professor Bruce R. Payne, University of Virginia, and President H. J. Pearce, Breneau College; for a one-year term, Professors David Spence Hill, Peabody College for Teachers, and W. C. Ruediger, George Washington University.

It was voted to hold the next meeting of the society at Washington, D. C., in affiliation with the American Association for the Advancement of Science, provided the American Psychological and Philosophical Associations meet at the same place and time.

R. M. OGDEN,  
Secretary